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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/517,531 Confirmation No. 7062
Applicant(s) : Hans Andrea SCHULER et al.
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TC/A.U. : 4171
Examiner : Thomas C. Diaz
Docket No. : R.310501
Customer No. : 02119

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: March 5, 2008

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b),
AND EXPLANATION OF THE RELEVANCE OF THE CITED PRIOR ART**

Sir:

The undersigned hereby requests that the prior art cited on the attached prior art statement be placed of record in the application file and be considered by the examiner.

This citation of prior art is made under 37 CFR 1.97(b), since it is being filed before the mailing of the first Office Action.

The relevance of the prior art cited on the attached form PTO/SB/08a is as follows:

JP 2001-277164

The purpose of this invention is to provide a robot for operating products in a three-dimensional space allowing volume of a space accessible by a gripper to increase relative to the length of an arm, in other words, allowing the length of the arm to decrease relative to the same accessible volume. This robot has a base (1), and three arms (9) are pivotally supported

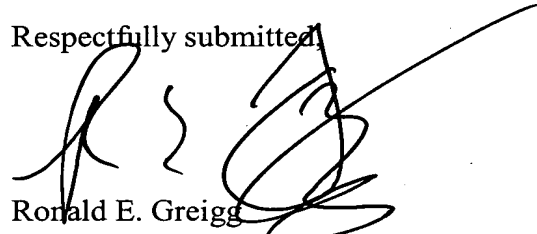
on the base so as to pivot about three pivot axes (3) arranged in a common axial plane (4). Three pivot axes form a triangle with three corners. Each arm is mounted on the axis (2) of a servomotor (6). Three connection link mechanisms (19) connect the free ends of the arms (9) to a carrier that can move in the full linear three-dimensional space but is prevented from rotating about full rotation three-dimensional axes. A nesting fourth link mechanism connects the gripper (30) rotatably supported on the carrier (22) to a fourth servomotor (48) fixed to the base (1) through two couplings (42, 46).

JP 5-26303

The purpose of this invention is to eliminate the rattling due to a backlash and the need for adjustment at the time of assembling to give a condition causing no rattling and miniaturize the whole, in a speed reducer, in which an epicyclic gear engaged with a sun gear and an internal gear is interposed and the epicyclic gear is rotatably supported. Teeth of each gear are formed in spur teeth or helical teeth, an internal gear 41 is composed of a first internal gear 41a integral with a casing 4 and a second internal gear 41b, which is a separate body also juxtaposed with the first internal gear 41a and has a pair relation (screw or advance) with the casing 4, and the first and the second internal gears 41a and 41b and gears 21 and 22, the components of an epicyclic gear 2, are separately engaged.

Examination of this application is respectfully requested.

Respectfully submitted,



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Enclosure

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